

Texas and North Texas Demographics: Implications for Health Care

Texas Health Resources

October 03, 2014

Arlington, Texas





Overview

- Rapid population growth and geographic variation of population growth.
- Geographic variation in aging population, prevalence of disabilities, and health.
- Texas population growth driven by Hispanic population.
- Texas future labor force will be largely Hispanic.
- Hispanics tend to have lower levels of educational attainment than other groups and are less represented in high skilled health occupations.
- Distribution of health care providers is geographically unequal.

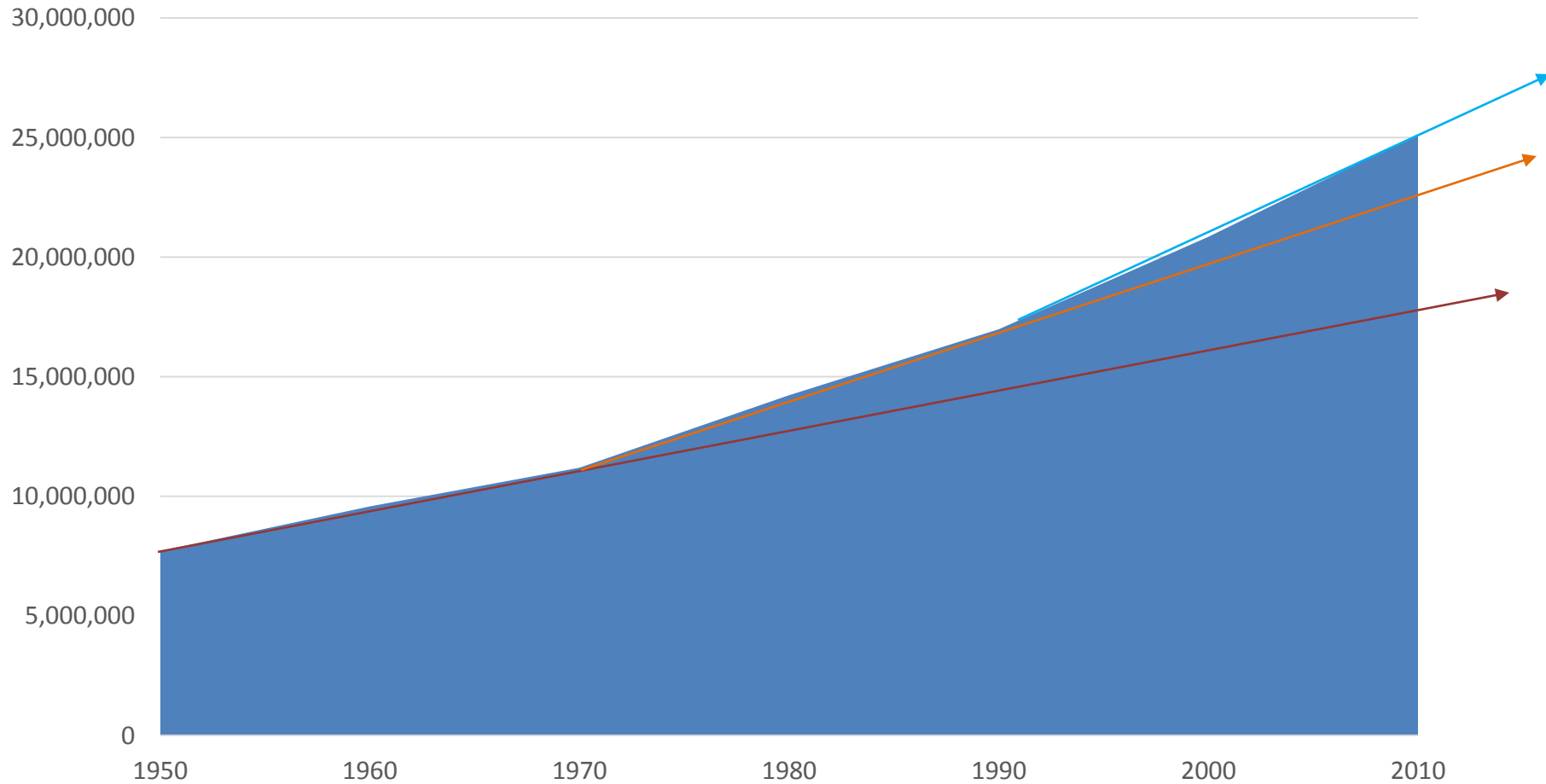



Total Population and Components of Population Change in Texas, 1950-2013

Year *	Population	Numeric Change	Annual Percent Change
1950	7,711,194	--	--
1960	9,579,677	1,868,483	2.4
1970	11,196,730	1,617,053	1.7
1980	14,229,191	3,032,461	2.7
1990	16,986,510	2,757,319	2.0
2000	20,851,820	3,865,310	2.3
2010	25,145,561	4,293,741	2.1
2012	26,060,796	915,235	1.8
2013	26,448,193	387,397	1.4

* All values for the decennial dates are for April 1st of the indicated census year. Values for 2012 and 2013 are for July 1 as estimated by the U.S. Census Bureau.

Texas Population 1950-2010






One third of the top 40 fastest growing counties in the United States are in Texas, 2012 to 2013

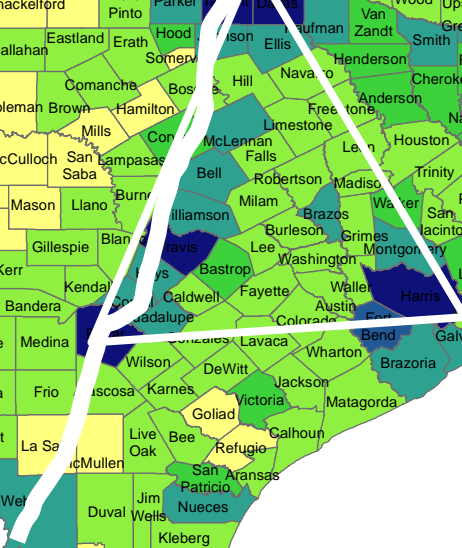
U.S. Rank	Geography	Population Estimate		Change, 2012 to 2013	
		<u>2012</u>	<u>2013</u>	<u>Number</u>	<u>Percent</u>
5	Kendall County, Texas	35,968	37,766	1,798	5.0
9	Fort Bend County, Texas	625,853	652,365	26,512	4.2
10	Hays County, Texas	169,013	176,026	7,013	4.1
11	Andrews County, Texas	16,137	16,799	662	4.1
13	Dimmit County, Texas	10,481	10,897	416	4.0
22	Comal County, Texas	114,590	118,480	3,890	3.4
23	Ector County, Texas	144,609	149,378	4,769	3.3
25	Ward County, Texas	10,887	11,244	357	3.3
28	Williamson County, Texas	456,359	471,014	14,655	3.2
32	Montgomery County, Texas	484,790	499,137	14,347	3.0
35	Denton County, Texas	708,050	728,799	20,749	2.9
39	Gaines County, Texas	18,393	18,921	528	2.9

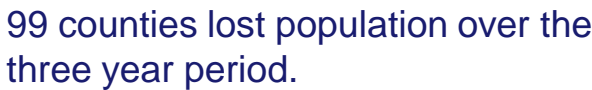
Counties in bold had growth associated with oil and gas extraction.

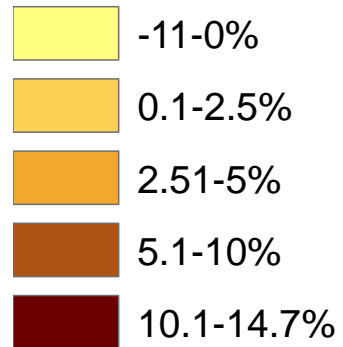


One fourth of U.S. counties in the top 40 for numeric growth are in Texas, 2012-2013

U.S. Rank	Geography	Population Estimate		Change, 2012 to 2013	
		<u>2012</u>	<u>2013</u>	<u>Number</u>	<u>Percent</u>
1	Harris County, Texas	4,253,963	4,336,853	82,890	1.9
6	Bexar County, Texas	1,785,787	1,817,610	31,823	1.8
8	Tarrant County, Texas	1,881,445	1,911,541	30,096	1.6
11	Fort Bend County, Texas	625,853	652,365	26,512	4.2
12	Dallas County, Texas	2,453,907	2,480,331	26,424	1.1
15	Travis County, Texas	1,096,246	1,120,954	24,708	2.3
22	Denton County, Texas	708,050	728,799	20,749	2.9
24	Collin County, Texas	834,674	854,778	20,104	2.4
33	Williamson County, Texas	456,359	471,014	14,655	3.2
35	Montgomery County, Texas	484,790	499,137	14,347	3.0





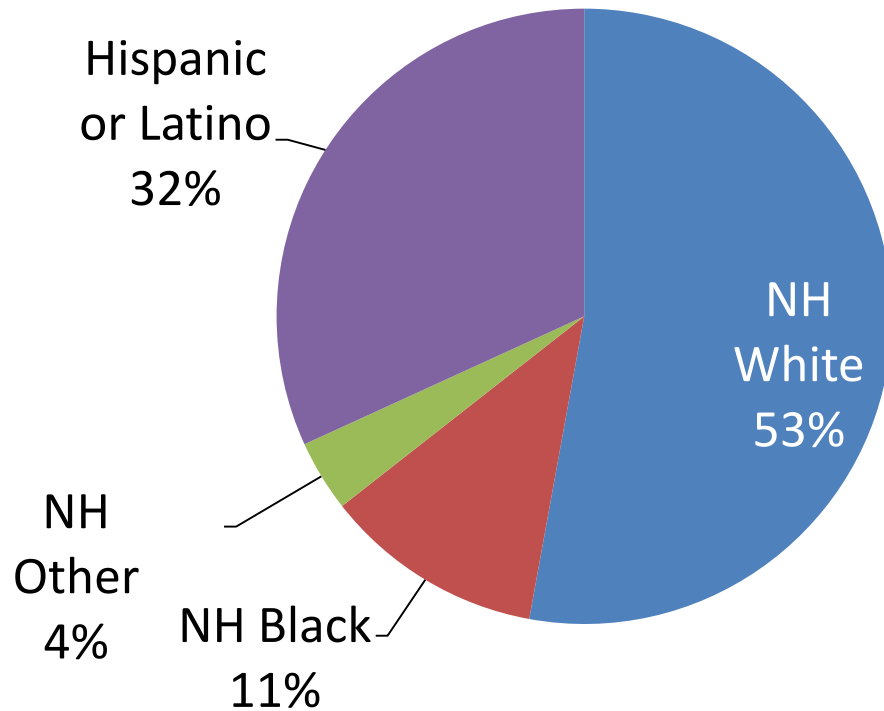




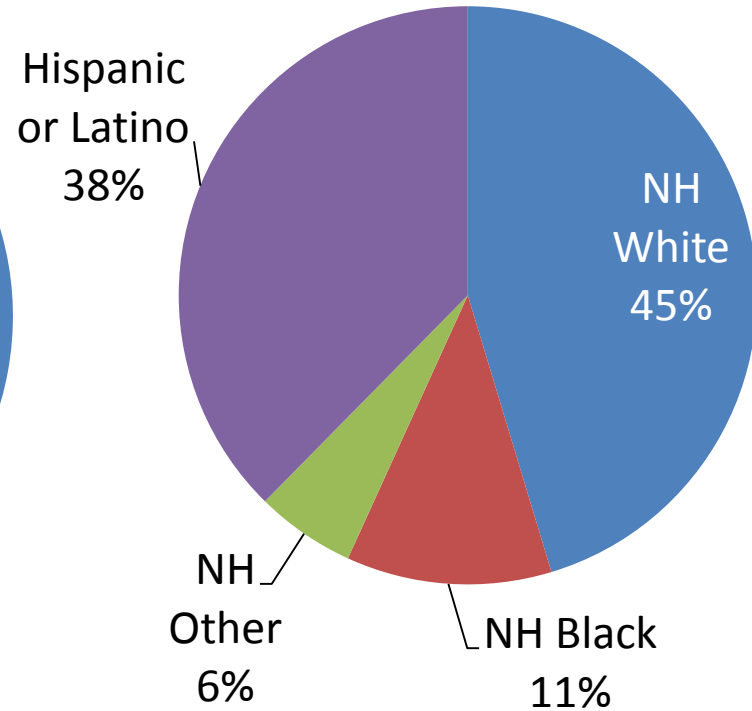


Texas Racial and Ethnic Composition, 2000 and 2010

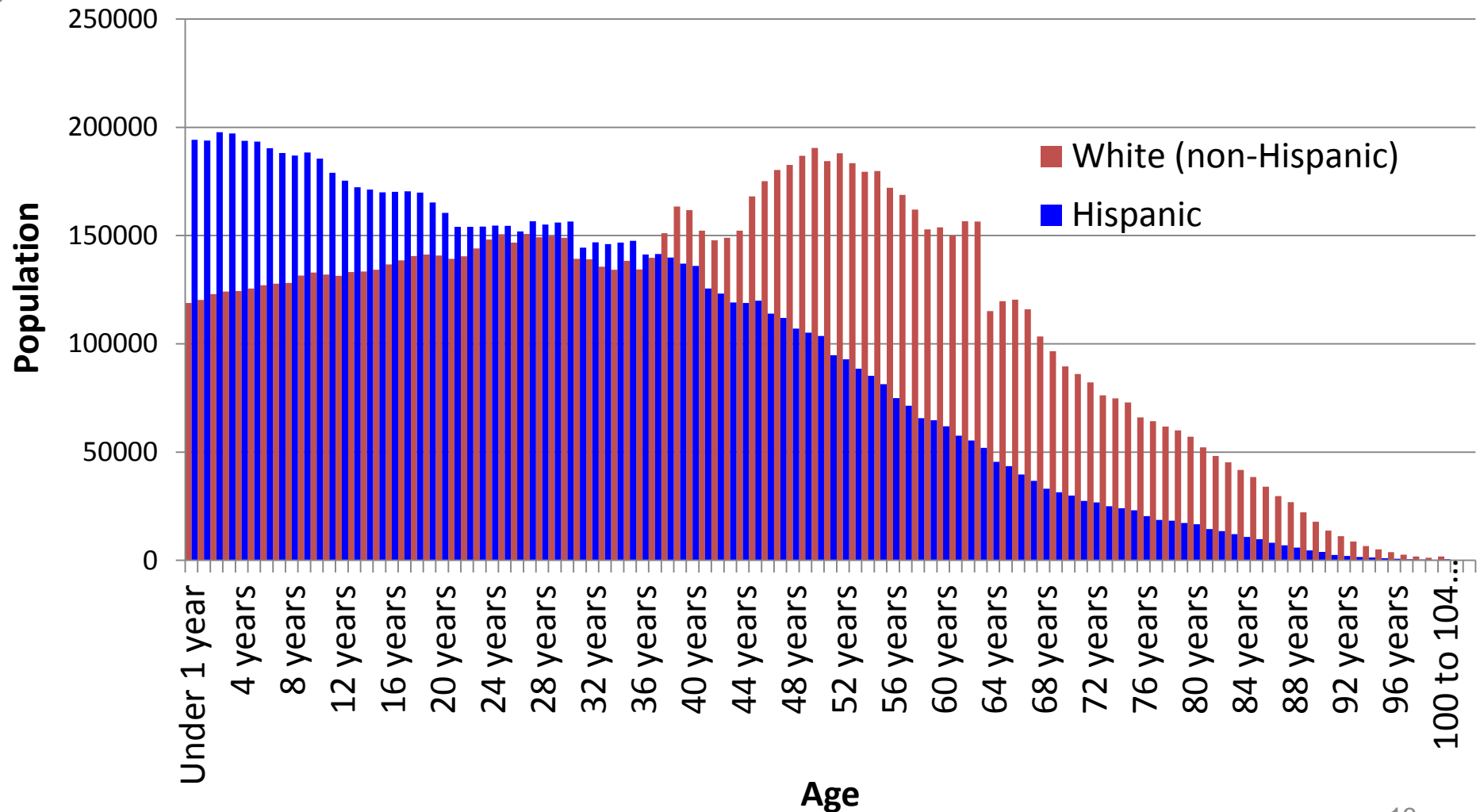
2000



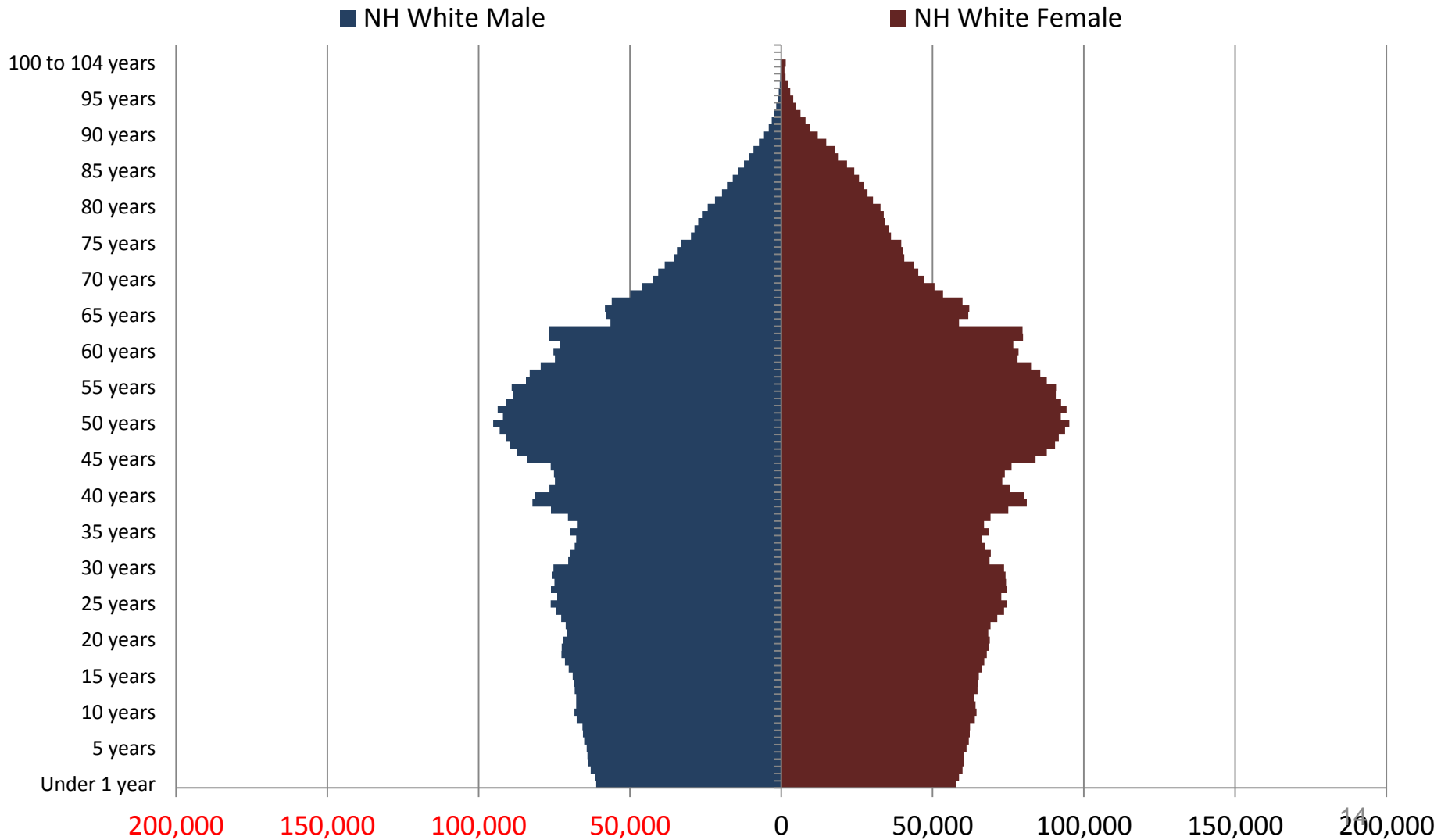
2010



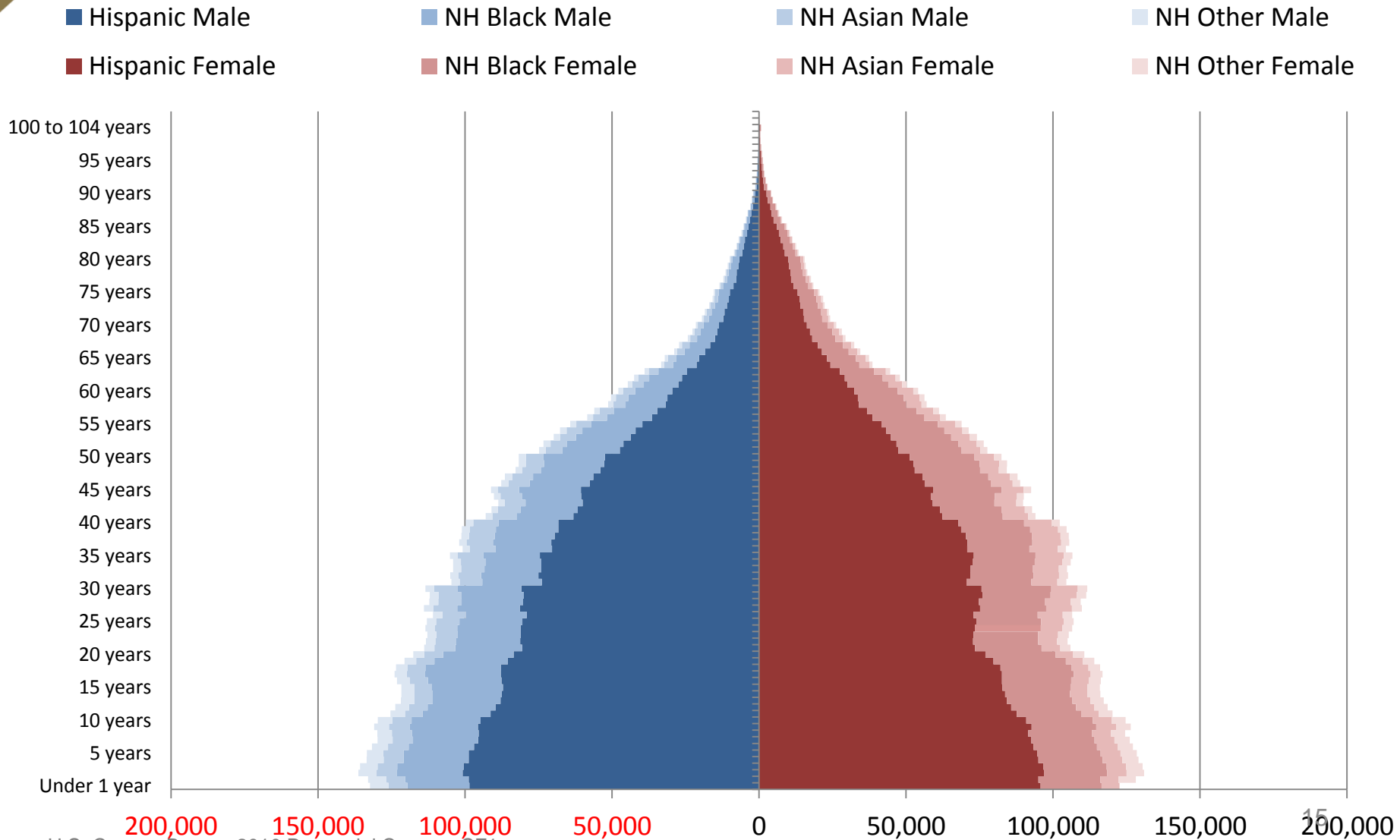
Texas White (non-Hispanic) and Hispanic Populations by Age, 2010

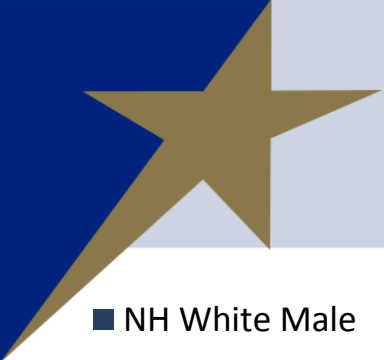


Texas Population Pyramid by Race/Ethnicity, 2010



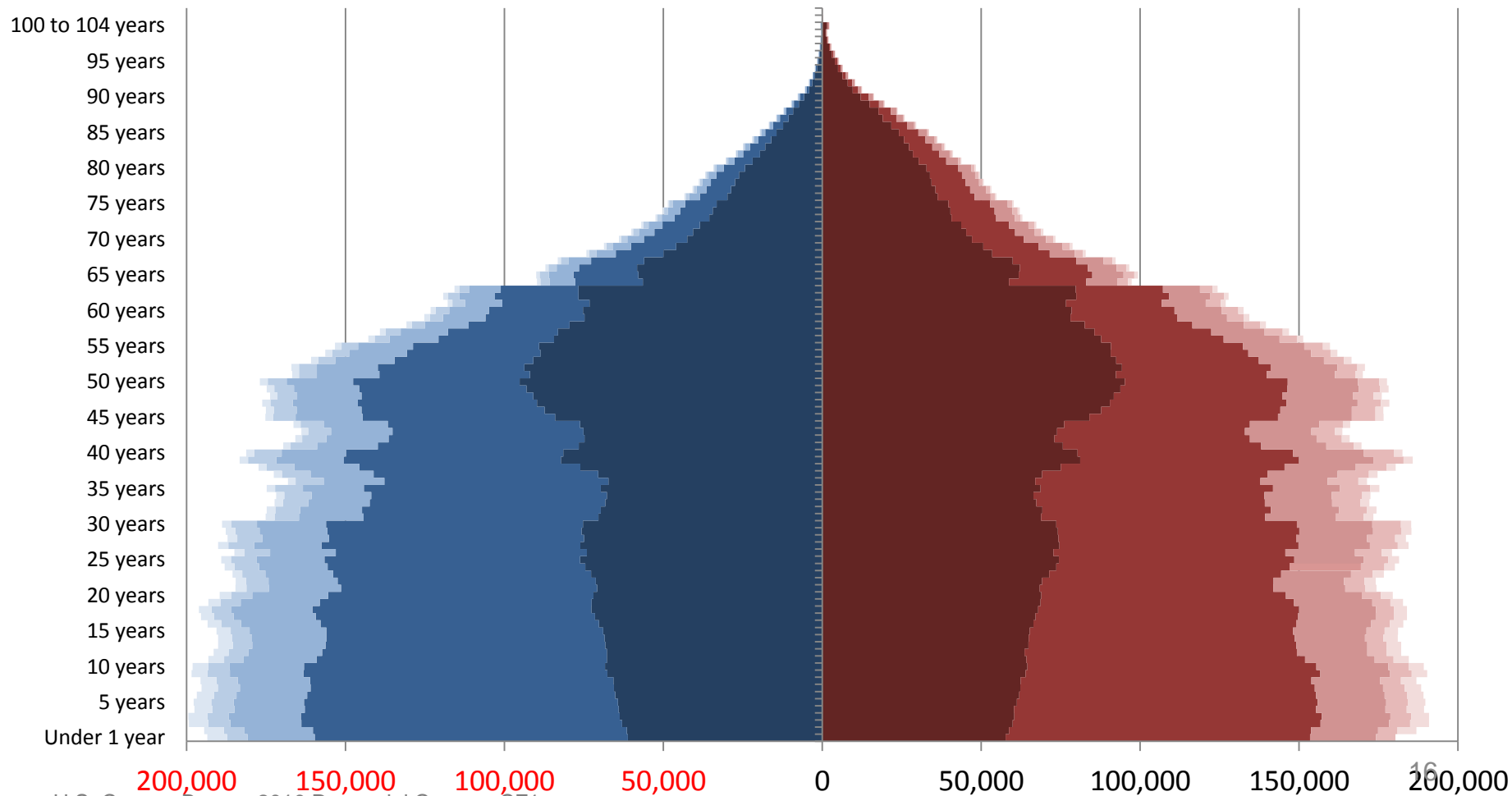
Texas Population Pyramid by Race/Ethnicity, 2010



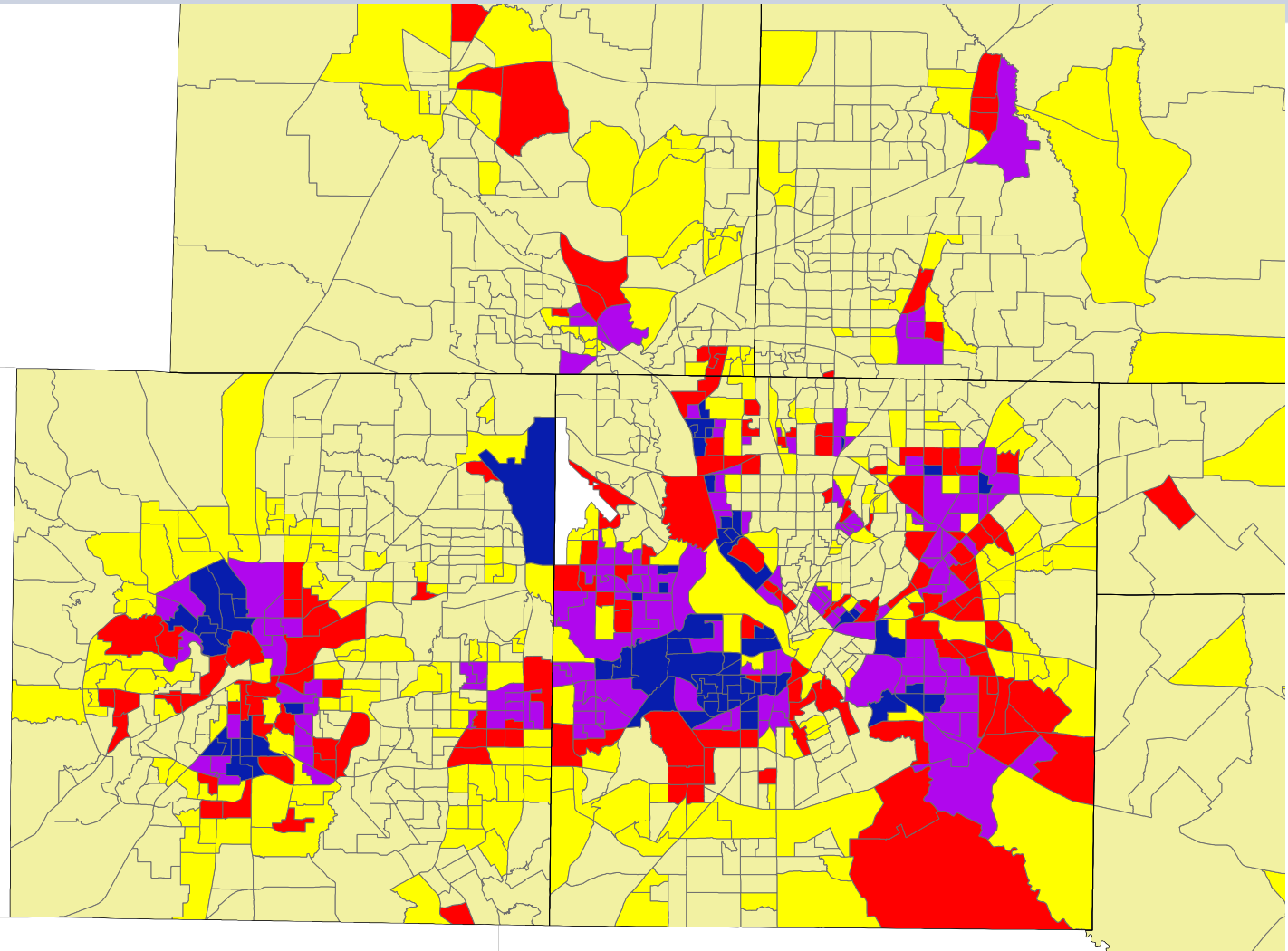
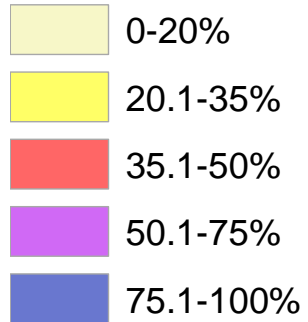


Texas Population Pyramid by Race/Ethnicity, 2010

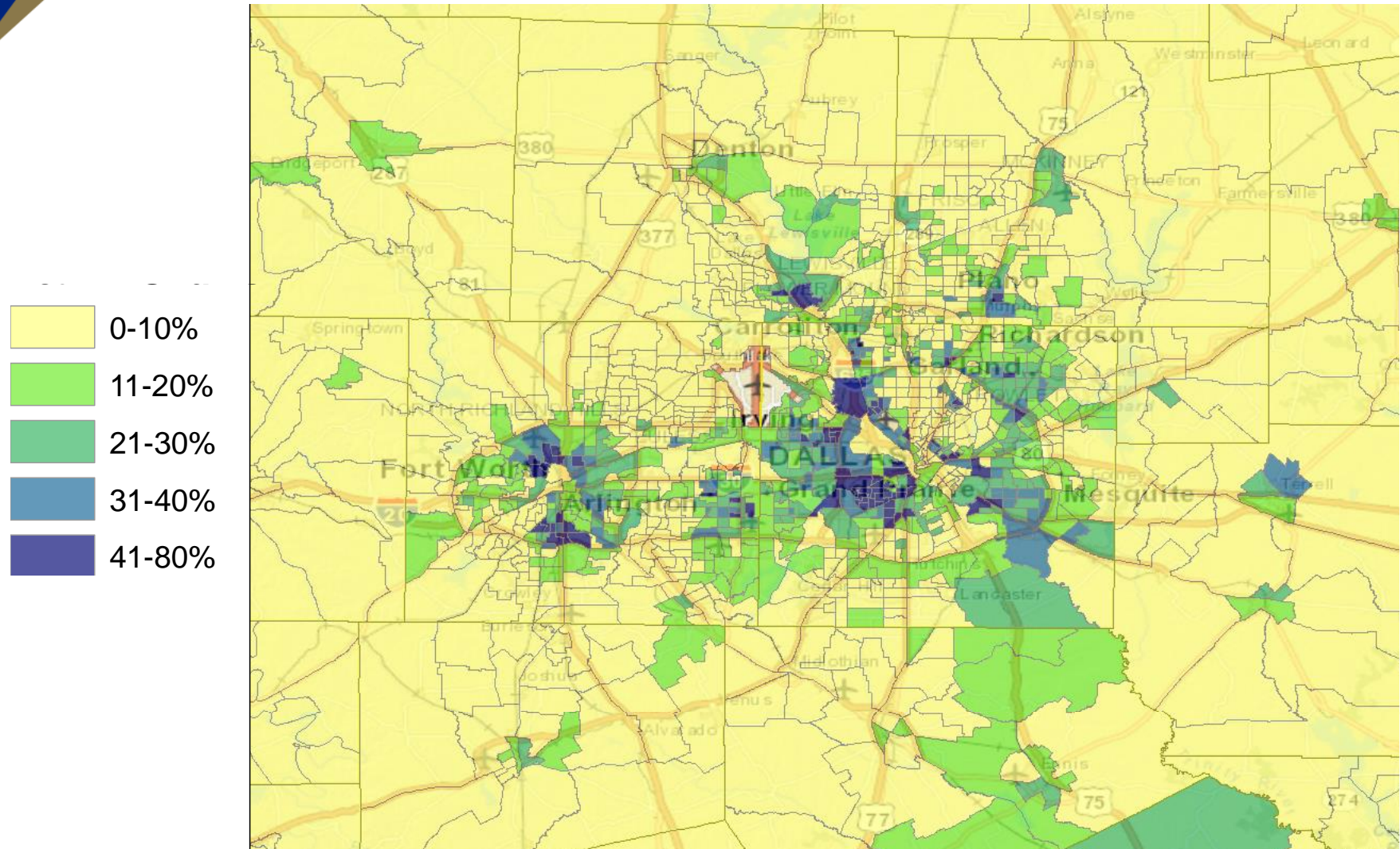
■ NH White Male ■ Hispanic Male ■ NH Black Male ■ NH Asian Male ■ NH Other Male
■ NH White Female ■ Hispanic Female ■ NH Black Female ■ NH Asian Female ■ NH Other Female



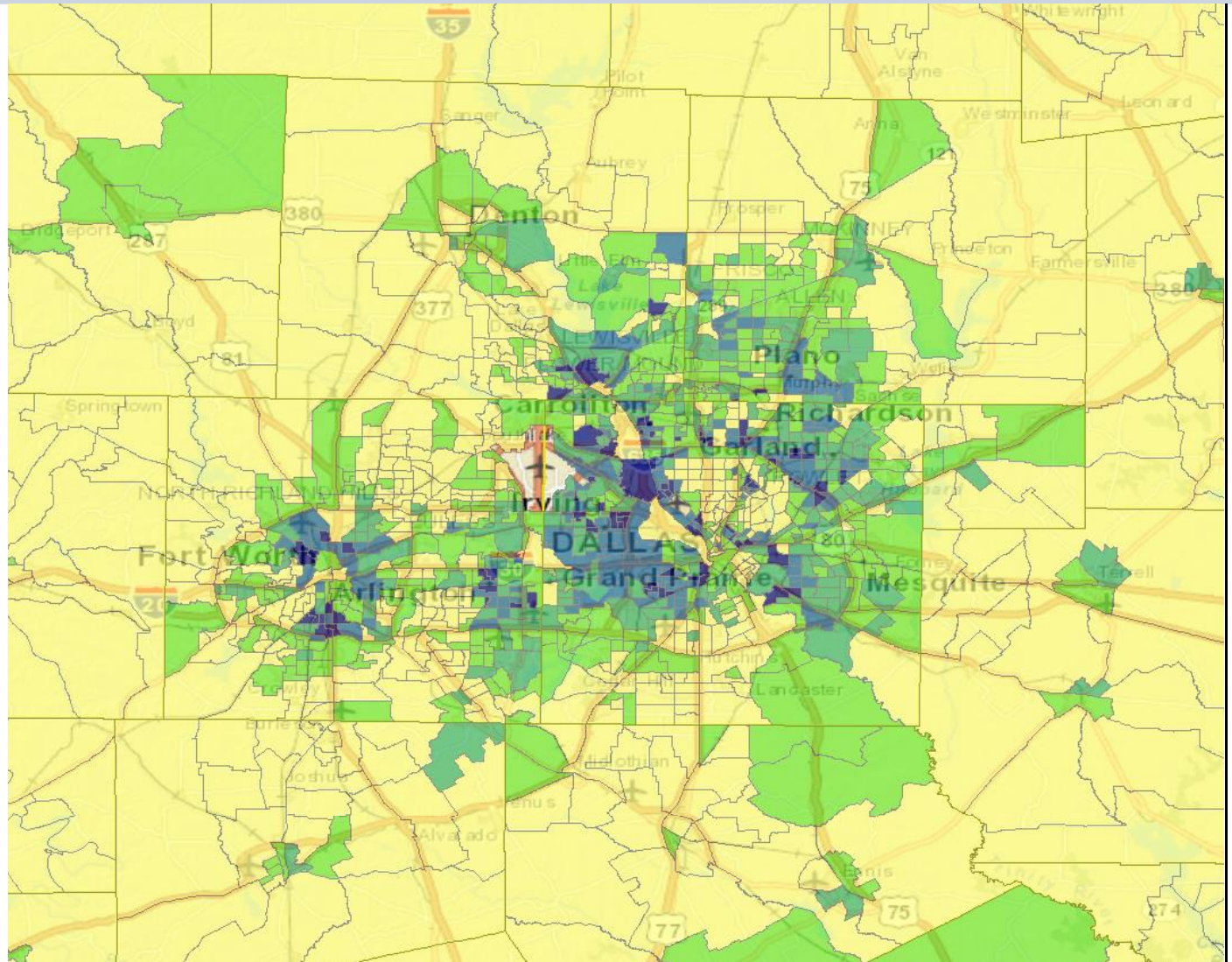
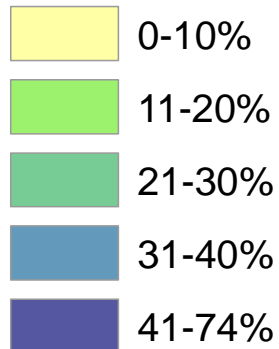
Percent of Hispanic, Census Tracts, 2010



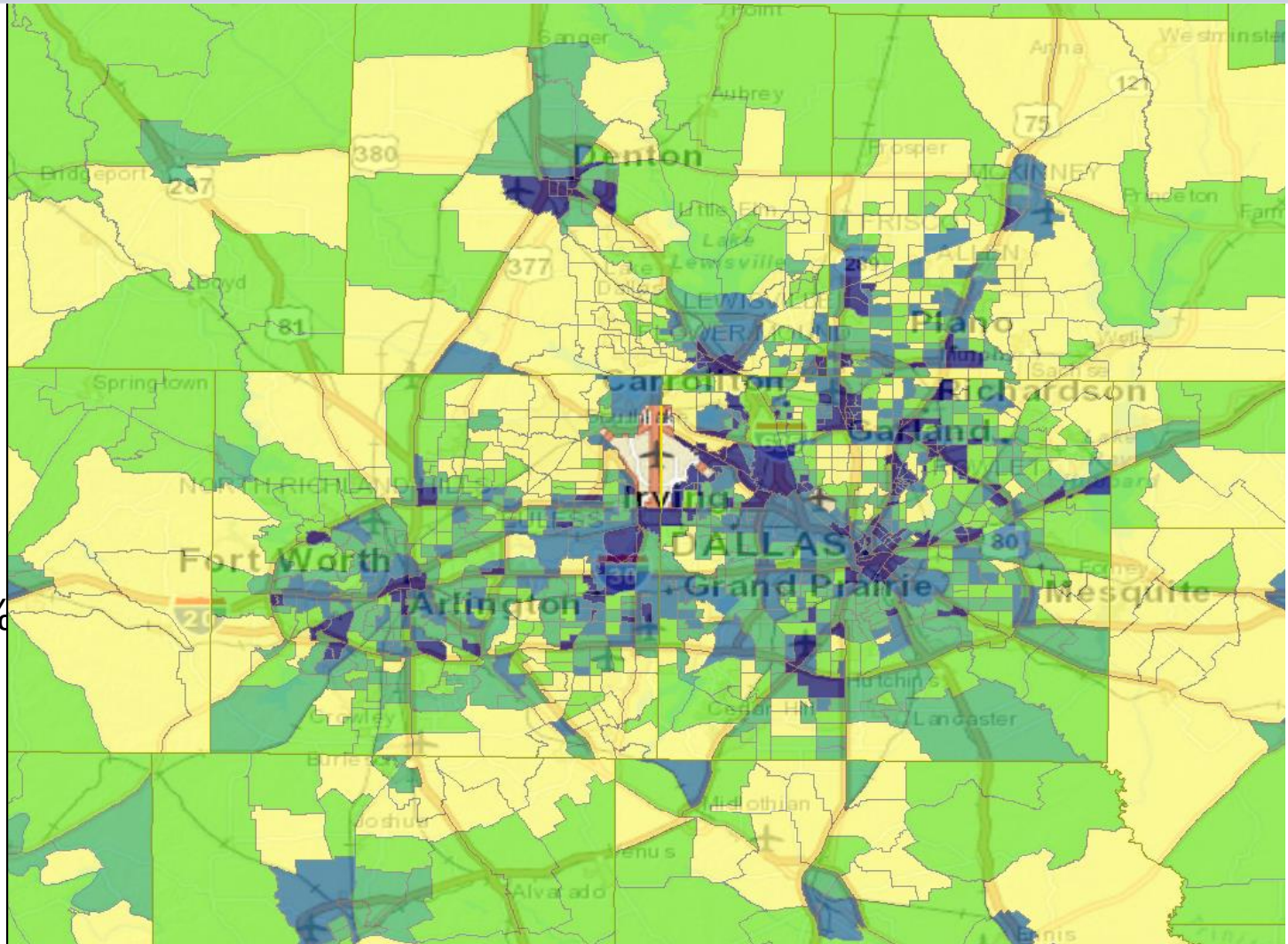
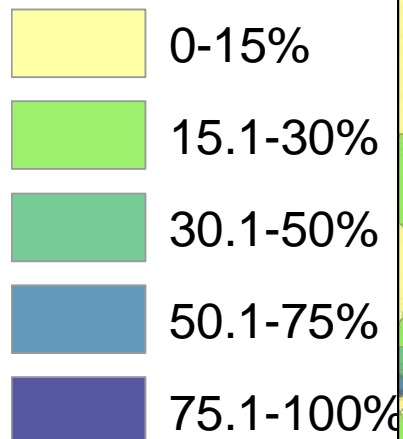
Percent of the persons who speak Spanish at home and speak English less than well, Census Tracts, 2007-2011



Percent of the persons are foreign born, Census Tracts, 2007-2011

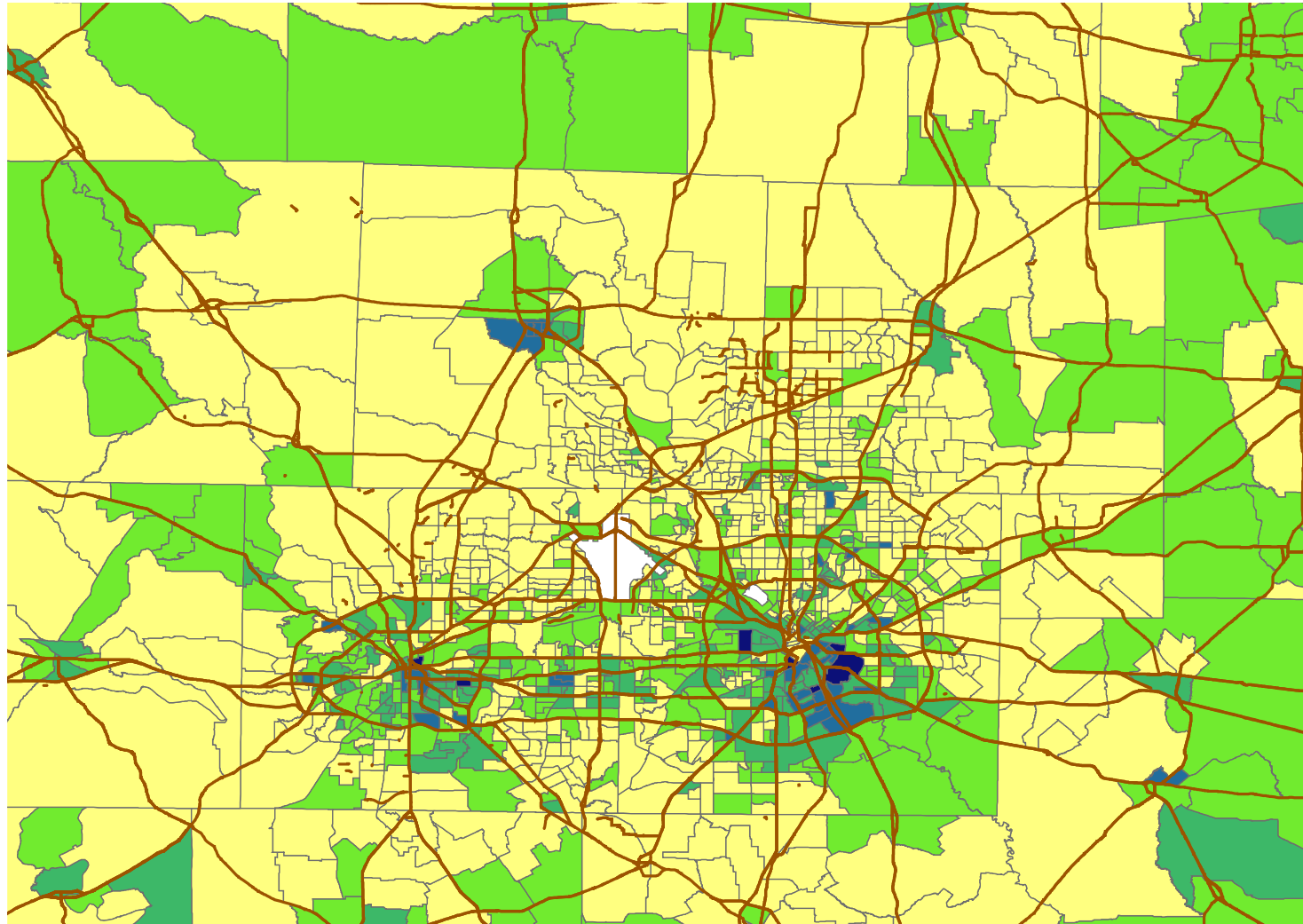
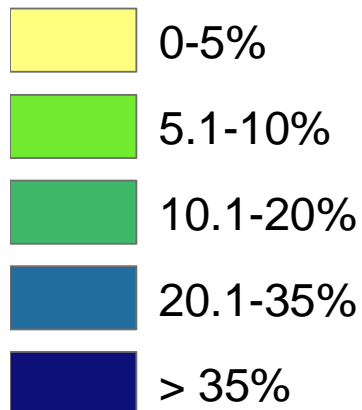


Percent of occupied housing units that are renter occupied Dallas/Fort Worth area census tracts, Texas, 2007-2011

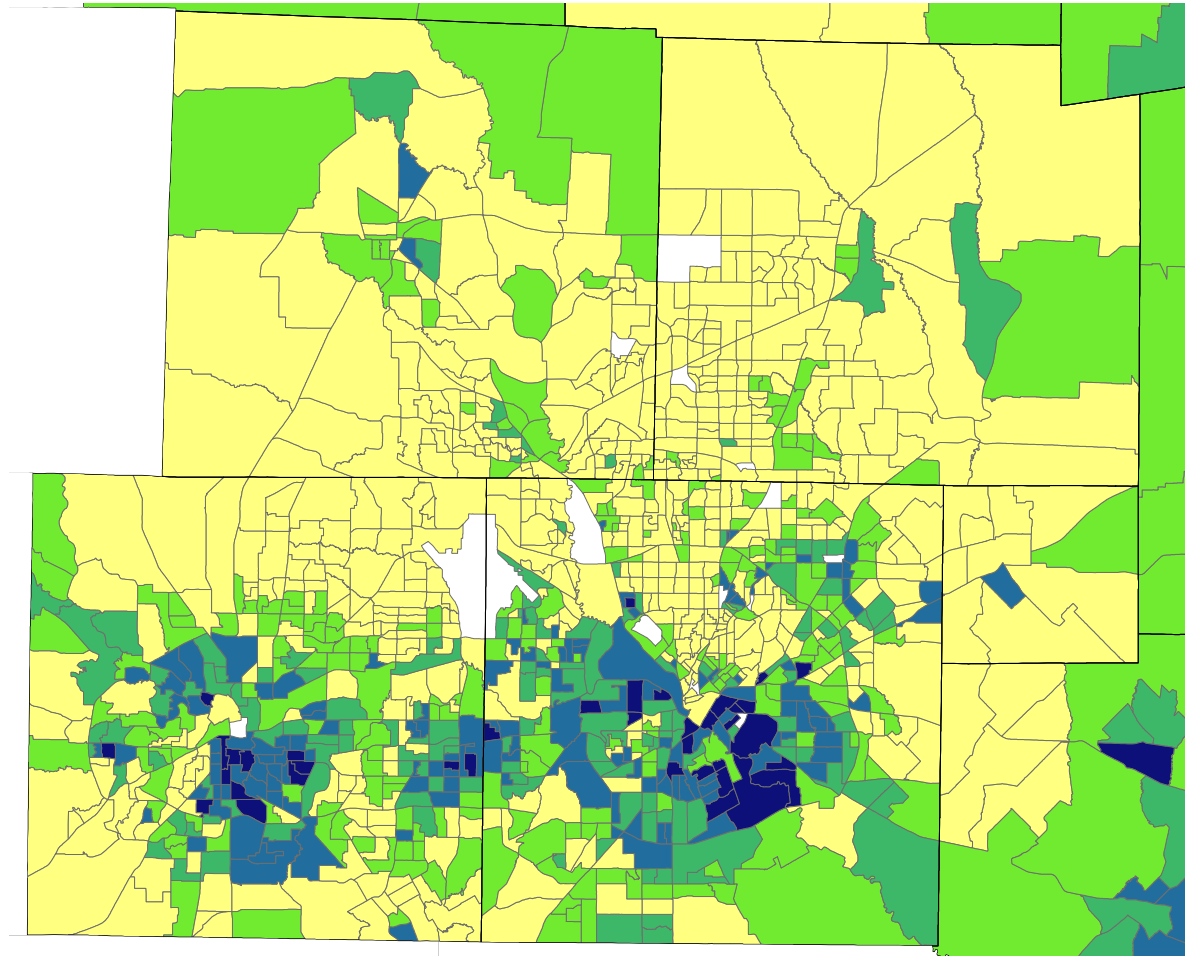
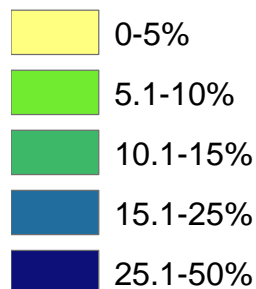
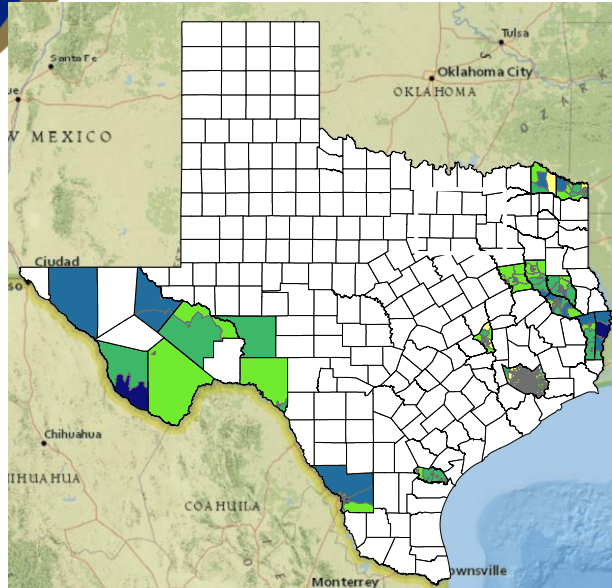


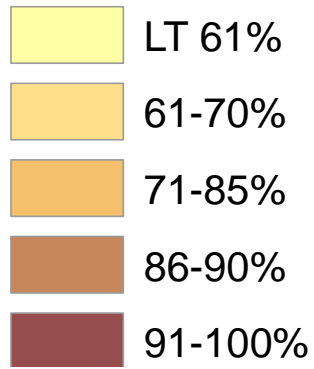
Source: U.S. Census Bureau,
American Community Survey, Five-
Year Sample, 2007-2011.

Percent of households with annual income less than \$10,000, Census Tracts, 2007-2011

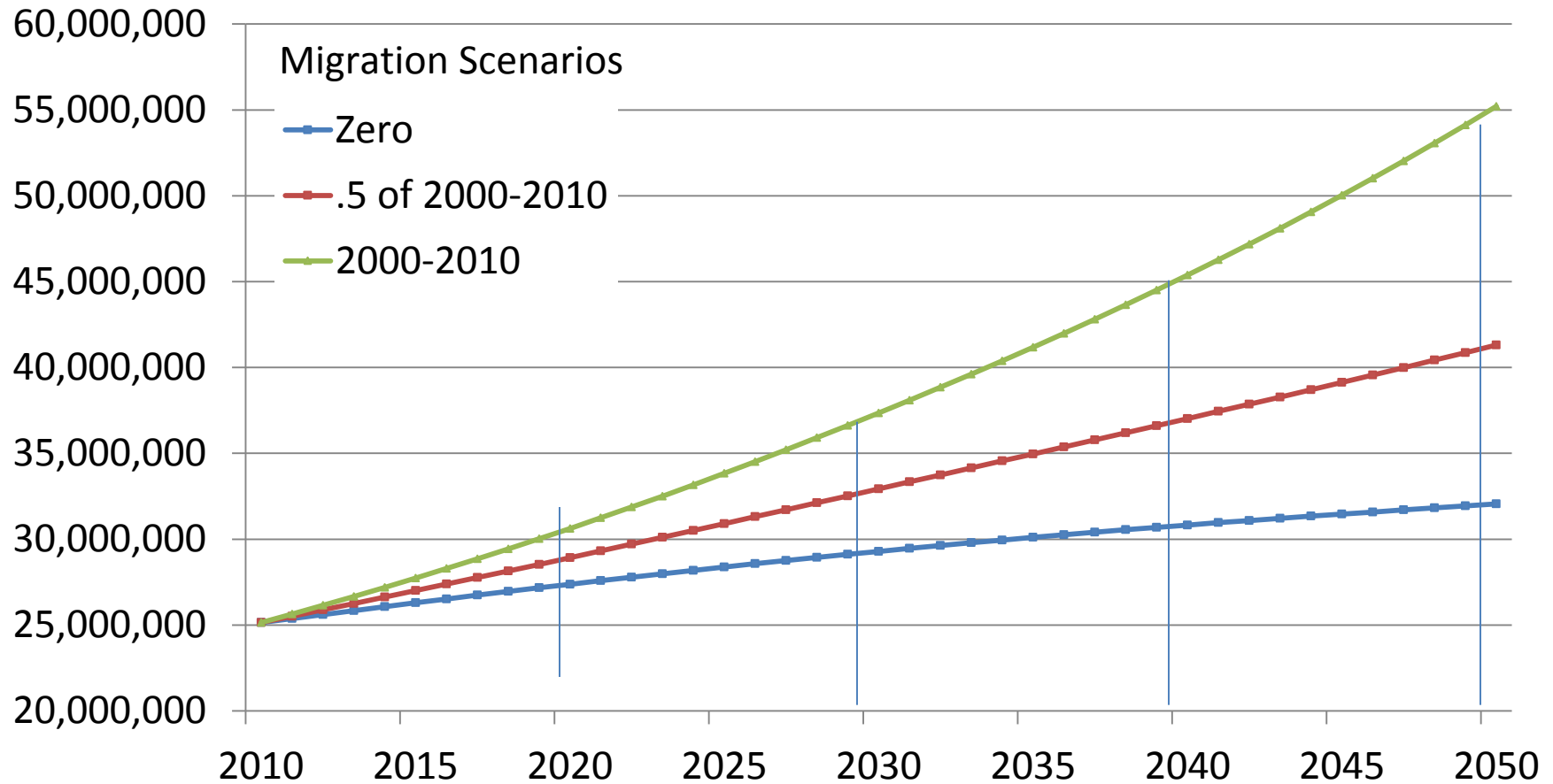


Percent of Households Receiving Supplemental Nutrition Assistance Program, Census Tracts, 2006-2010

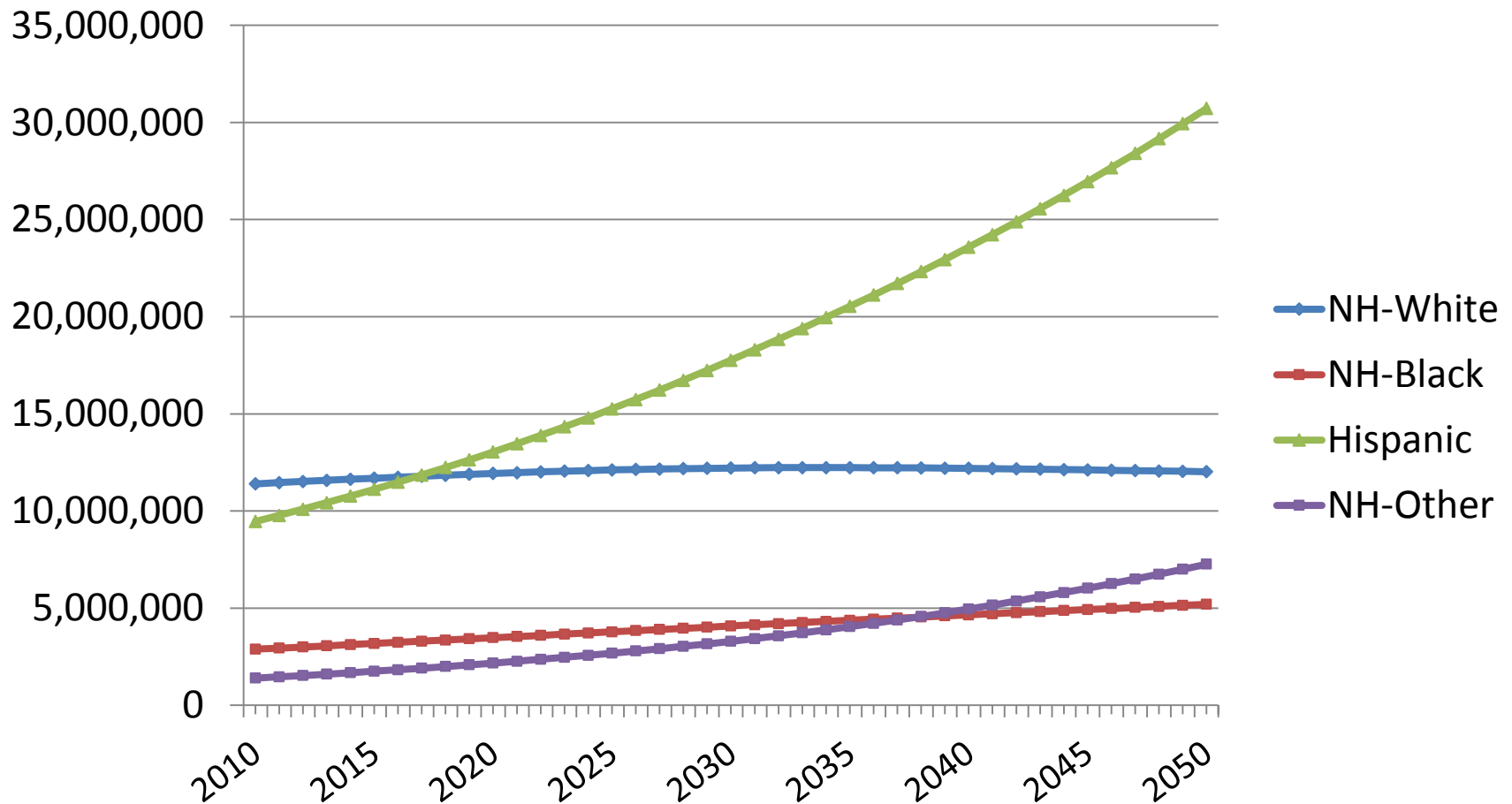




Projected Population Growth in Texas, 2010-2050



Projected Racial and Ethnic Percent, Texas, 2010-2050

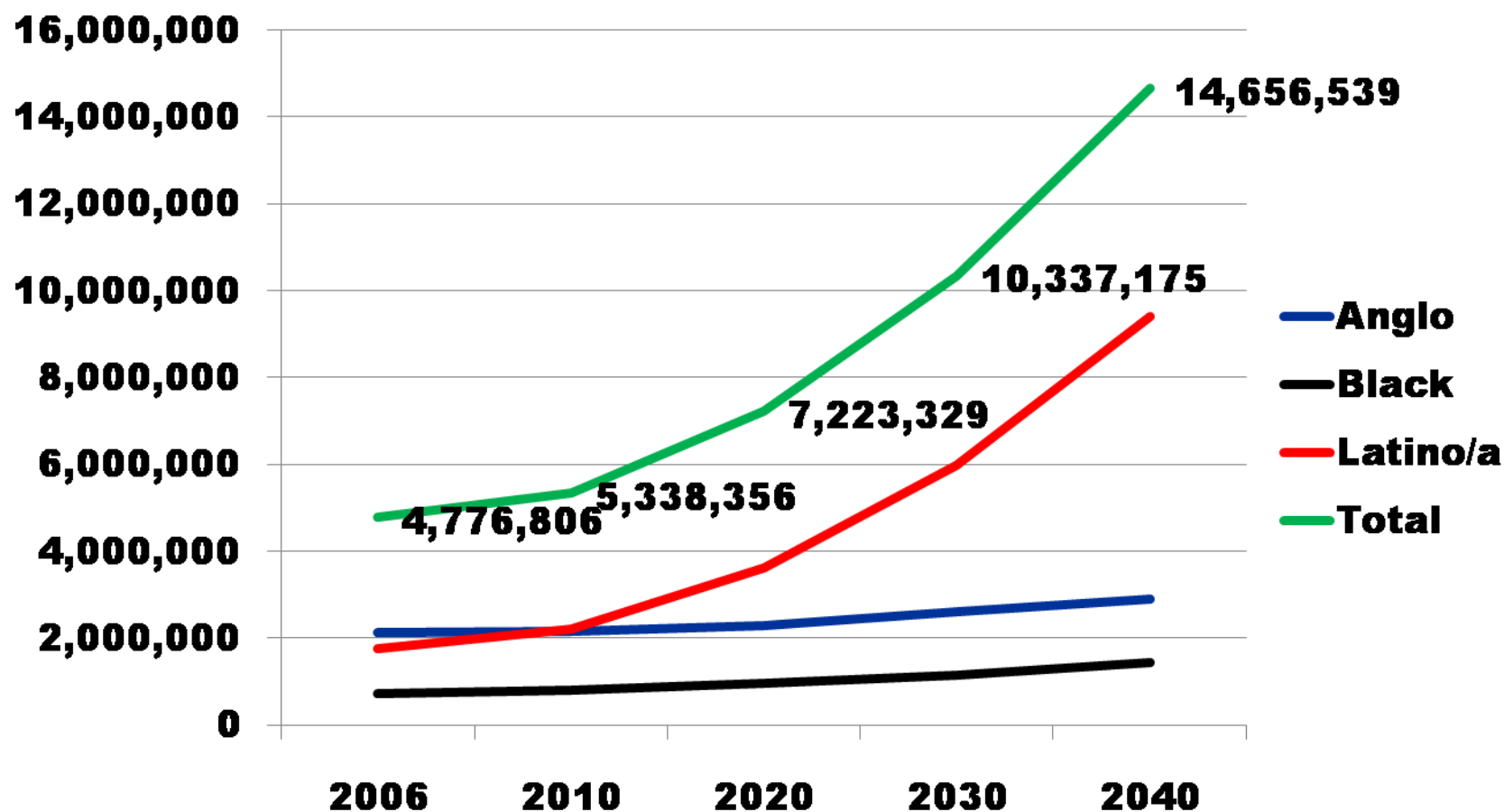




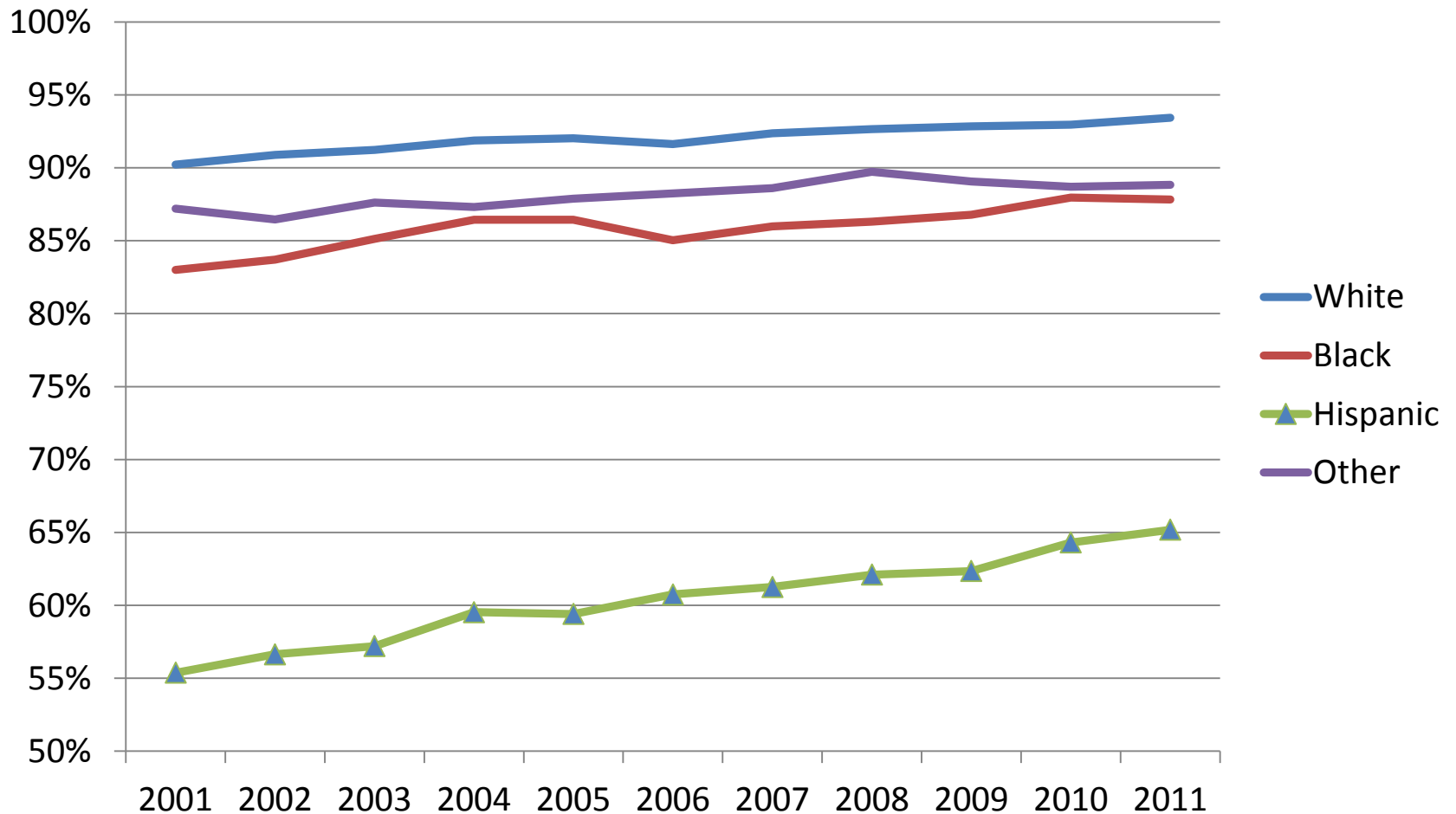
Teen Birth Rate by State, 2010

Rank	State	Birth rate per 1,000 women ages 15-19
1	Mississippi	55
2	New Mexico	52.9
3	Arkansas	52.5
4	Texas	52.2
5	Oklahoma	50.4
6	Louisiana	47.7
7	Kentucky	46.2
8	District of Columbia	45.4
9	West Virginia	44.8
10	Alabama	43.6

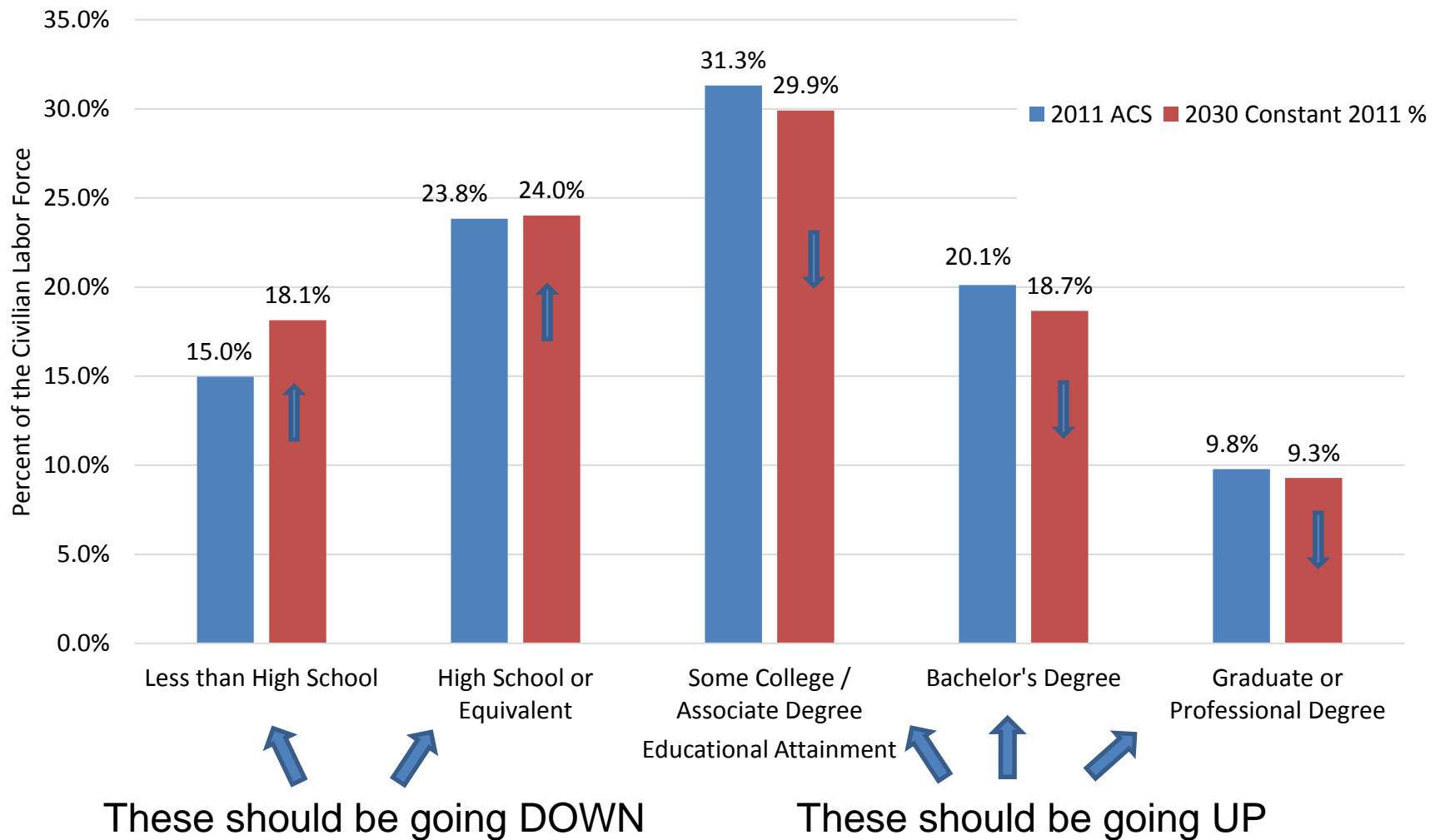
Projected Increase in Obesity in Texas by Ethnicity, 2006 to 2040



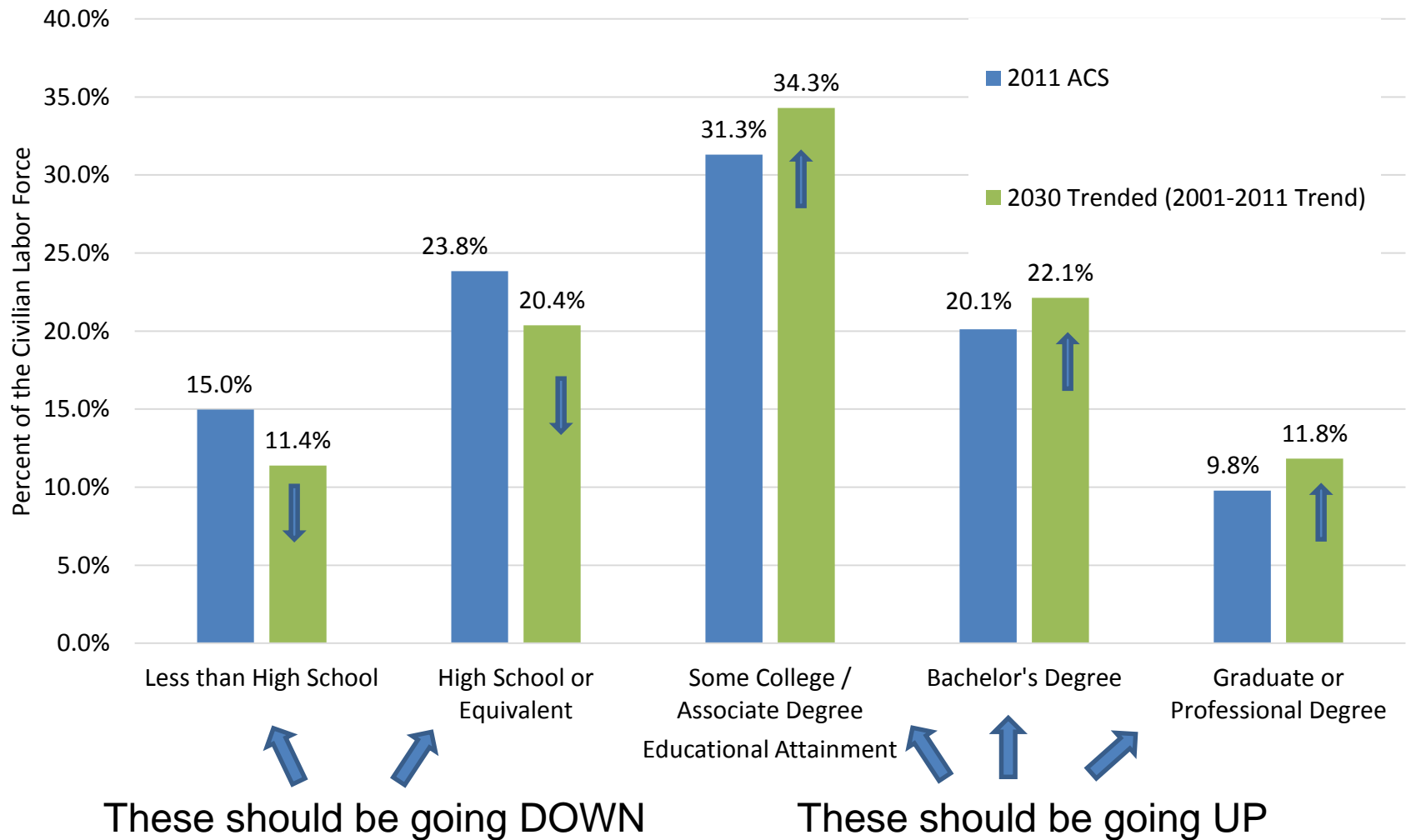
Trends in Educational Attainment of Persons in the Labor Force (25-64 Years of Age) in Texas by Race/Ethnicity – High School Graduates and Above



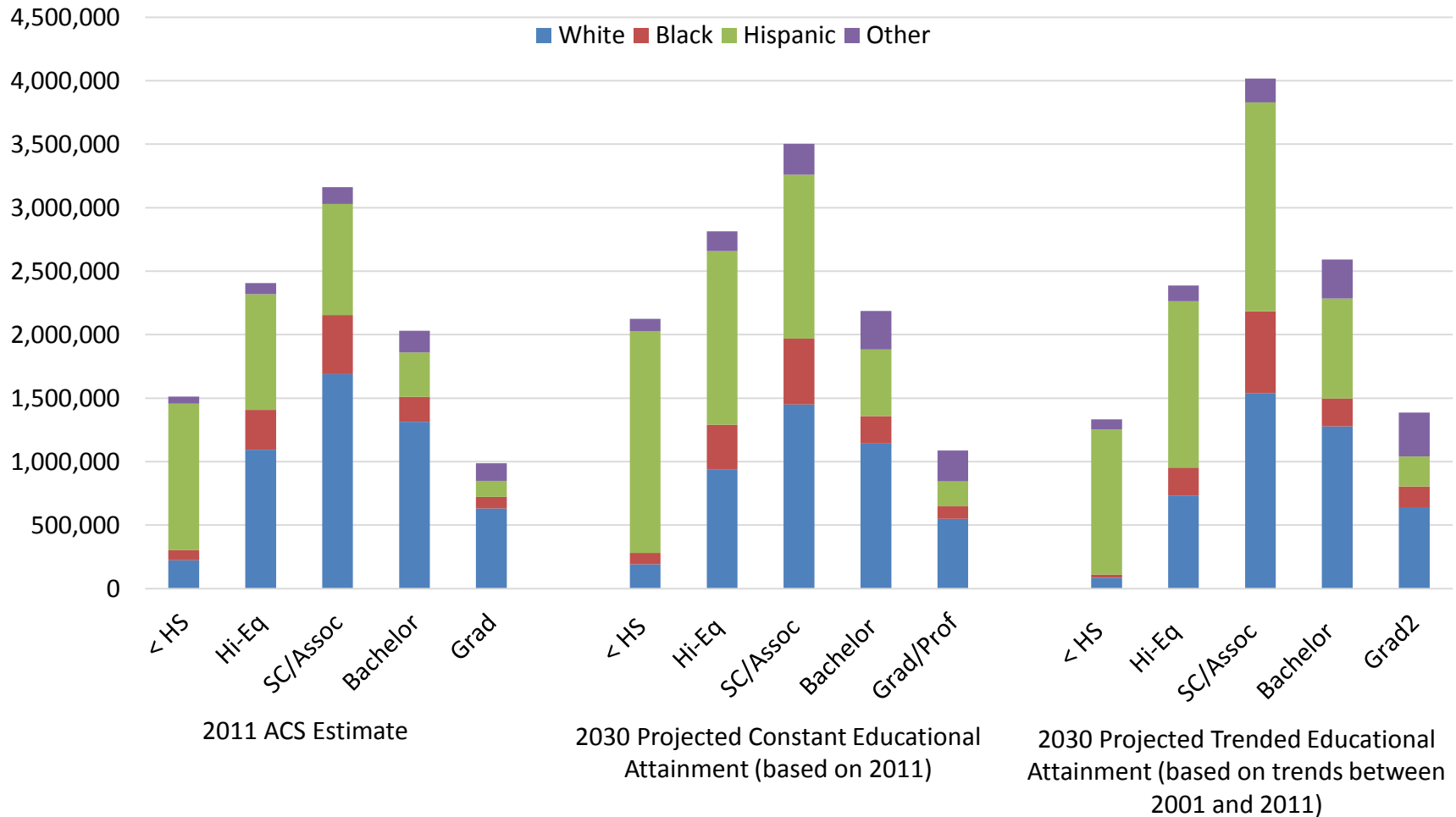
Percent of the Civilian Labor Force (ages 25-64) by Educational Attainment for 2011, 2030 Using Constant Rates, Texas



Percent of the Civilian Labor Force (ages 25-64) by Educational Attainment for 2011, and 2030 Using Trended Rates, Texas



Educational Attainment of the Civilian Labor Force (ages 25-64) by Race/Ethnicity in 2011, and Projected for 2030 Using Constant Rates and Using Trended Rates of Educational Attainment, Texas



Race and Ethnic Differences in Employment in Health Occupations, Females, Texas, 2012

	Total Employed CLF 16 Years and Older	Females			
		Employed CLF 16 Years and Older	Health diagnosing and treating practitioners and other technical occupations (SOC 29-1000)	Health technologists and technicians (SOC 29-2000)	Healthcare support occupations (SOC 31-0000)
Race*					
White Alone	70.4%	69.7%	70.0%	68.1%	57.5%
Black Alone	10.1%	12.0%	13.0%	14.6%	23.2%
Asian Alone	4.1%	4.1%	10.7%	3.7%	1.9%
Other Alone	7.7%	7.1%	3.2%	6.8%	8.7%
Total	100.0%	100.0%	100.0%	100.0%	100.0%
Ethnicity**					
Non-Hispanic White	57.6%	59.3%	80.4%	66.5%	41.2%
Hispanic	42.4%	40.7%	19.6%	33.5%	58.8%
Total	100.0%	100.0%	100.0%	100.0%	100.0%

Compare this column to these three.

The difference suggests an over or under representation of the sex-race/ethnic group in each occupational category.

* Ethnicity (Hispanic) is not considered in the race alone classification. Most persons of Hispanic descent classify themselves as white for race.

** This grouping only includes persons who classified themselves as white and non-Hispanic and "Hispanic" includes all persons, regardless of race, who classified themselves as Hispanic. Other non-Hispanic race groups are not included here.

Source: U.S. Census Bureau, American Community Survey, 1-Year Sample, 2012

(note: data presented are from a sample survey and sampling error is associated with each estimate but is not presented in this table)

Race and Ethnic Differences in Employment in Health Occupations, Males, Texas, 2012

	Total Employed CLF 16 Years and Older	Males			
		Employed CLF 16 Years and Older	Health diagnosing and treating practitioners and other technical occupations (SOC 29- 1000)	Health technologists and technicians (SOC 29-2000)	Healthcare support occupations (SOC 31- 0000)
Race*					
White Alone	70.4%	71.0%	69.3%	68.5%	54.6%
Black Alone	10.1%	8.6%	8.2%	10.5%	26.4%
Asian Alone	4.1%	4.1%	12.3%	9.5%	5.2%
Other Alone	7.7%	8.2%	5.1%	5.7%	6.9%
Total	100.0%	100.0%	100.0%	100.0%	100.0%
Ethnicity**					
Non-Hispanic White	57.6%	56.2%	76.1%	56.6%	42.4%
Hispanic	42.4%	43.8%	23.9%	43.4%	57.6%
Total	100.0%	100.0%	100.0%	100.0%	100.0%

Compare this column to these three.

The difference suggests an over or under representation of the sex-race/ethnic group in each occupational category.

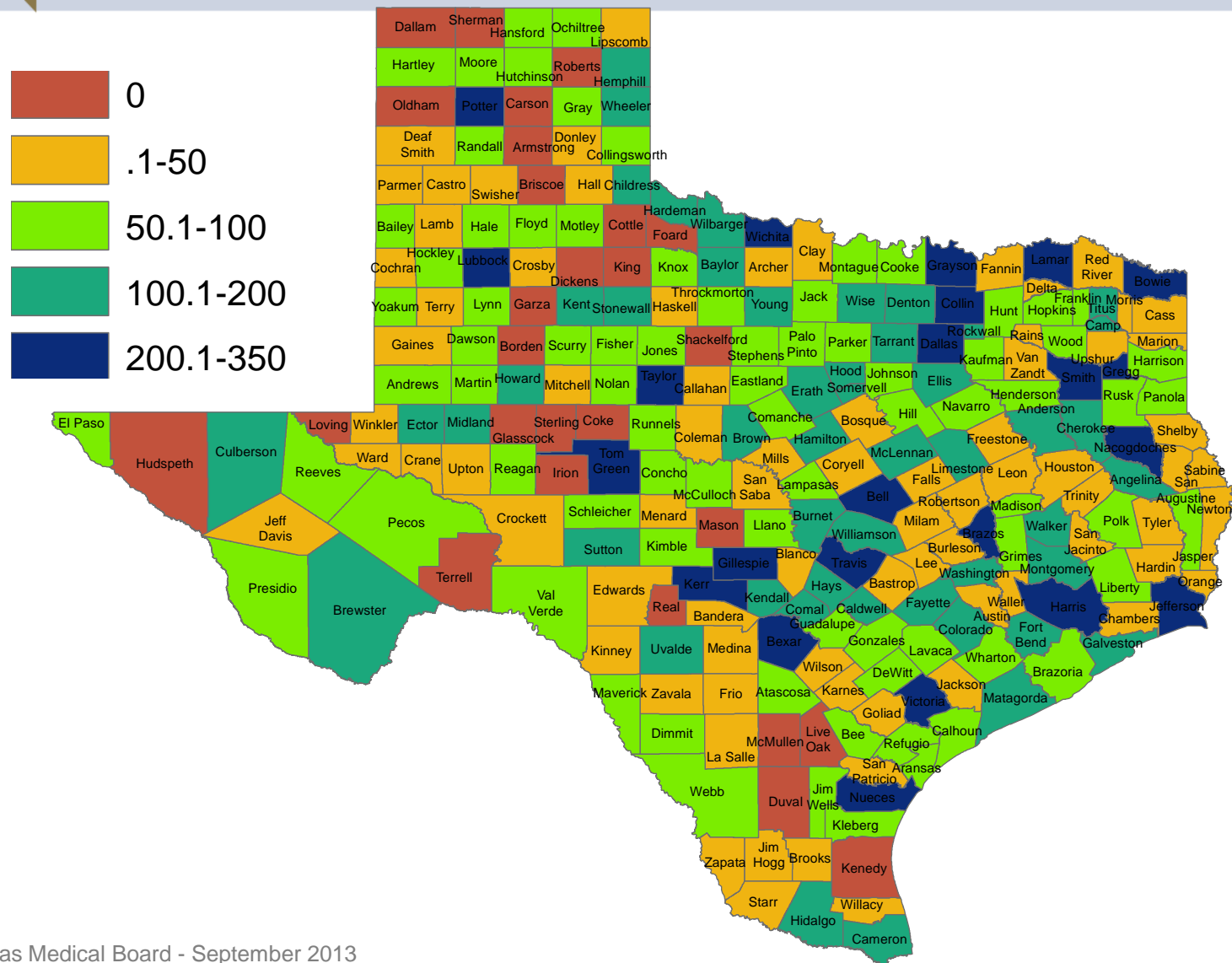
* Ethnicity (Hispanic) is not considered in the race alone classification. Most persons of Hispanic descent classify themselves as white for race.

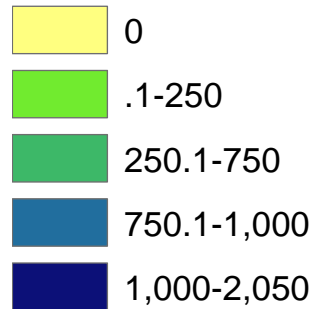
** This grouping only includes persons who classified themselves as white and non-Hispanic and "Hispanic" includes all persons, regardless of race, who classified themselves as Hispanic. Other non-Hispanic race groups are not included here.

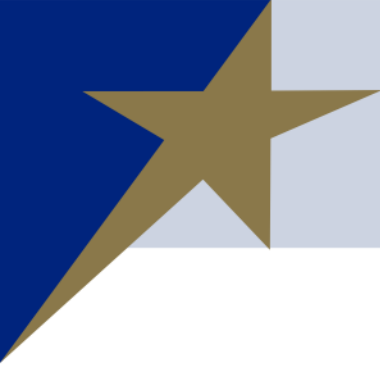
Source: U.S. Census Bureau, American Community Survey, 1-Year Sample, 2012

(note: data presented are from a sample survey and sampling error is associated with each estimate but is not presented in this table)

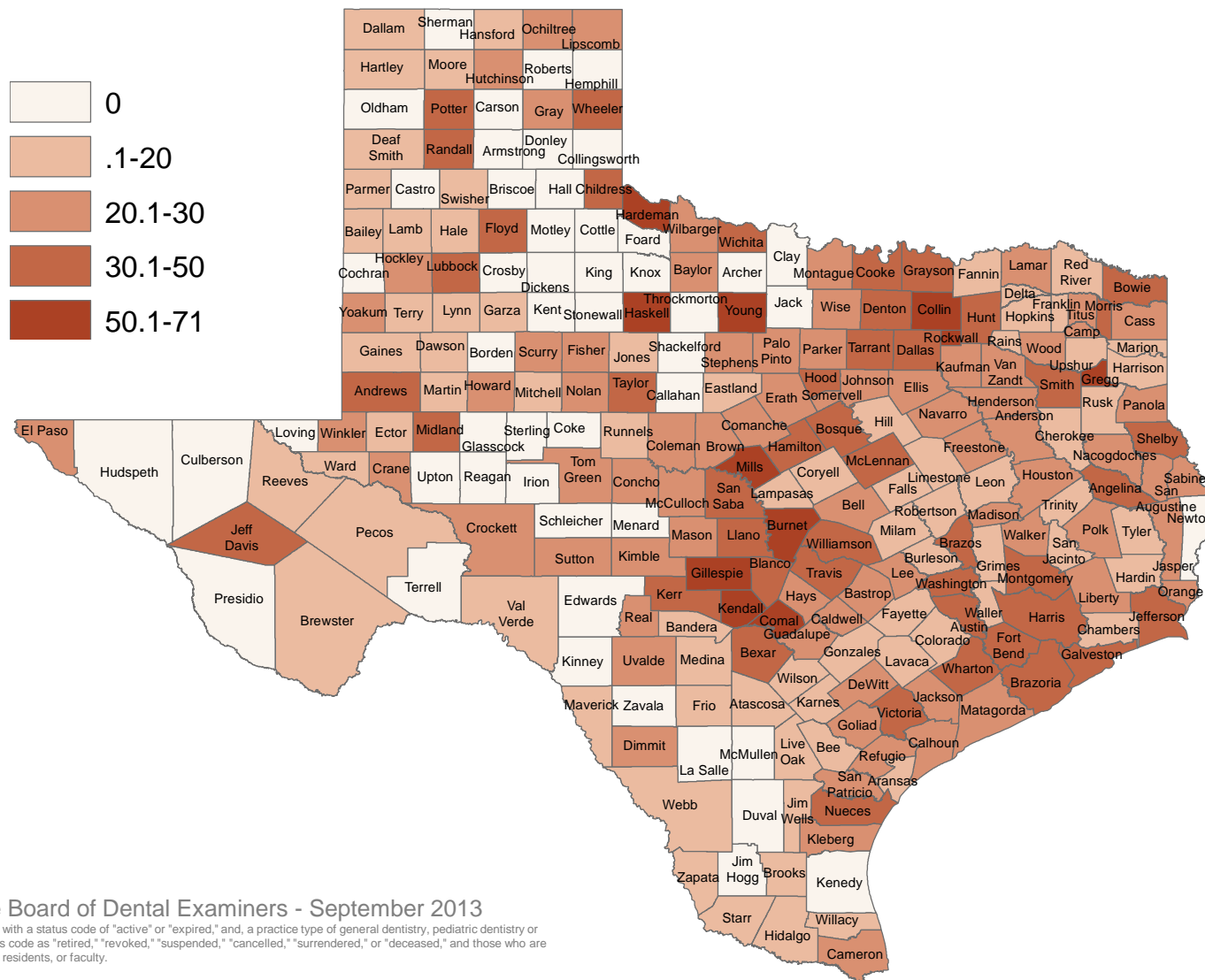
Direct Patient Care Physicians by County of Practice per 100,000 Population - September, 2013







General Dentists by County of Practice per 100,000 Population - September, 2013



Data Source: Texas State Board of Dental Examiners - September 2013

General (Primary Care) Dentists: Includes: Dentists with a status code of "active" or "expired," and, a practice type of general dentistry, pediatric dentistry or dental public health. Excludes: Dentists with a status code as "retired," "revoked," "suspended," "cancelled," "surrendered," or "deceased," and those who are non-primary care, federal or military dentists, dental residents, or faculty.



Summary

- Population continues to grow quickly though growth is geographically unequal.
- Aging population and percent of the population with disabilities is geographically unequal.
- Population growth is being driven by Hispanic population. Texas future labor force will be largely Hispanic.
- Hispanics tend to have lower levels of educational attainment than other groups.
- Distribution of health care providers is geographically unequal.

Lloyd Potter, Ph.D.

Office: (512) 463-8390 or (210) 458-6530

Email: Lloyd.Potter@osd.state.tx.us

Internet: <http://osd.state.tx.us>